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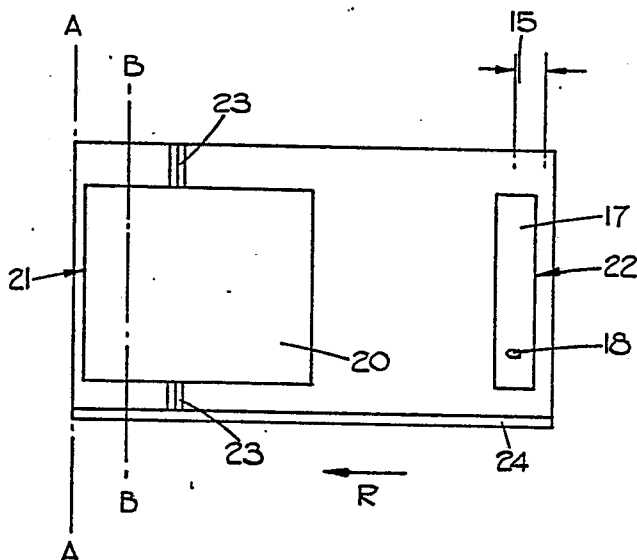
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54 **Bearings for gear pumps.**

57 The bore of a bearing bush for a gear pump has a first recess (17) which lies within a critical zone (15) of load concentration within the bush. Fluid under pressure is supplied to the recess (17) through a passage (18). A second recess (20) lies wholly outside the critical zone (15) and provides a reservoir of fluid which reduces cavitation resulting from low pressures arising from radial movements of a shaft within the bush. The second recess communicates with a zone of reduced pressure by way of a second passage (23).





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EUROPEAN SEARCH REPORT

0112011
Application number

EP 83 30 6612

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
D, Y	GB-A-1 131 714 (J. LUCAS) * Claim 1; figures 2,3 *	1	F 01 C 21/02 F 16 C 33/10 F 16 C 33/04
Y	DE-B-1 233 675 (THE GLACIER METAL CO.) * Column 4, line 29 - column 5, line 16 *	1	
A		2	
A	US-A-4 289 460 (G.L. NOELL et al.) * Claim 1 *	1	
A	GB-A-1 018 678 (THE GLACIER METAL CO.)		TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A	GB-A- 795 647 (THE GLACIER METAL CO.)		F 16 C 33/10 F 16 C 32/06 F 01 C 21/02 F 04 C 15/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 14-05-1985	Examiner HOFFMANN M.P.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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